
Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: Fri Nov 02 11:22:19 EDT 2007

Validated By CRFValidator v 1.0.3

Application No: 09889075 Version No: 4.0

Input Set:

Output Set:

Started: 2007-10-17 15:38:33.087 **Finished:** 2007-10-17 15:38:34.408

Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 321 ms

Total Warnings: 17
Total Errors: 0

No. of SeqIDs Defined: 23

Actual SeqID Count: 23

Erro	or code	Error Description
W	213	Artificial or Unknown found in <213> in SEQ ID (2)
W	213	Artificial or Unknown found in <213> in SEQ ID (3)
W	213	Artificial or Unknown found in <213> in SEQ ID (4)
W	213	Artificial or Unknown found in <213> in SEQ ID (5)
W	213	Artificial or Unknown found in <213> in SEQ ID (6)
W	213	Artificial or Unknown found in <213> in SEQ ID (7)
W	213	Artificial or Unknown found in <213> in SEQ ID (8)
W	213	Artificial or Unknown found in <213> in SEQ ID (9)
W	213	Artificial or Unknown found in <213> in SEQ ID (10)
W	213	Artificial or Unknown found in <213> in SEQ ID (15)
W	213	Artificial or Unknown found in <213> in SEQ ID (16)
W	213	Artificial or Unknown found in <213> in SEQ ID (17)
W	213	Artificial or Unknown found in <213> in SEQ ID (18)
W	213	Artificial or Unknown found in <213> in SEQ ID (19)
W	402	Undefined organism found in <213> in SEQ ID (21)
W	402	Undefined organism found in <213> in SEQ ID (22)
W	402	Undefined organism found in <213> in SEQ ID (23)

SEQUENCE LISTING

<110>		nson & Johns search Limit	_						
<120>	CATA	ALYTIC MOLEC	CULES						
<130>	ATK	ATKINS1							
<140>	0988	39075							
		2-09-09							
<150>	PCT	/AU00/00011							
<151>		0-01-11							
<150>	PQ81	103							
<151>	1999	9-01-11							
<160>	23								
<170>	Pate	entIn versio	on 3.4						
<210>	1								
<211>	3132	>							
<212>	DNA	-							
<213>	Homo	o sapiens							
		_							
<400>	1								
ccgcaga	aact	tggggagccg	ccgccgccat	ccgccgccgc	agccagcttc	cgccgccgca	60		
ggaccg	gccc	ctgccccagc	ctccgcagcc	gcggcgcgtc	cacgcccgcc	cgcgcccagg	120		
acaaata	caaa	atcaccacct	gcacgettet	cagtgttccc	cacaccccac	atgtaacccg	180		
5-5-5-	-999	999	99	9-9	-9-99-	,			
gccaggo	ccc	cgcaacggtg	tcccctgcag	ctccagcccc	gggctgcacc	cccccgccc	240		
gacacca	agct	ctccagcctg	ctcgtccagg	atggccgcgg	ccaaggccga	gatgcagctg	300		
							2.60		
atgtcc	ccgc	tgcagatctc	tgacccgttc	ggatcctttc	ctcactcgcc	caccatggac	360		
aactaco	rcta	anct nnanna	gatgatggtg	ctgagcaacg	aaact accas	attactaga	420		
aaocao	Joea	ageeggagga	gargargerg	eegageaaeg	99900000	geeeeegge	120		
gccgcc	adad	ccccagaggg	cagcggcagc	aacagcagca	gcagcagcag	cgggggcggt	480		
ggaggc	ggcg	ggggcggcag	caacagcagc	agcagcagca	gcaccttcaa	ccctcaggcg	540		
gacacg	ggcg	agcagcccta	cgagcacctg	accgcagagt	cttttcctga	catctctctg	600		
aacaac	gaga	aggtgctggt	ggagaccagt	taccccagcc	aaaccactcg	actgccccc	660		
atcacct	at a	ctaaccact+	ttacataaaa	cctgcaccca	acant nncas	caccttataa	720		
200000		Jeggeegeet	ggag	Jergeaceca	grggcud	Lucategray	, 20		
cccgago	cccc	tcttcagctt	ggtcagtggc	ctagtgagca	tgaccaaccc	accggcctcc	780		
tcatcct	caa	caccatctcc	ageggeetee	teegeeteeg	cctcccagag	cccaccccta	840		
_					ر ر	_			

agctgcgcag	tgccatccaa	cgacagcagt	cccatttact	cageggeace	caccttcccc	900
acgccgaaca	ctgacatttt	ccctgagcca	caaagccagg	ccttcccggg	ctcggcaggg	960
acagcgctcc	agtacccgcc	tcctgcctac	cctgccgcca	agggtggctt	ccaggttccc	1020
atgatccccg	actacctgtt	tccacagcag	cagggggatc	tgggcctggg	caccccagac	1080
cagaagccct	tccagggcct	ggagagccgc	acccagcagc	cttcgctaac	ccctctgtct	1140
actattaagg	cctttgccac	tcagtcgggc	tcccaggacc	tgaaggccct	caataccagc	1200
taccagtccc	agctcatcaa	acccagccgc	atgcgcaagt	atcccaaccg	gcccagcaag	1260
acgcccccc	acgaacgccc	ttacgcttgc	ccagtggagt	cctgtgatcg	ccgcttctcc	1320
cgctccgacg	agctcacccg	ccacatccgc	atccacacag	gccagaagcc	cttccagtgc	1380
cgcatctgca	tgcgcaactt	cagccgcagc	gaccacctca	ccacccacat	ccgcacccac	1440
acaggcgaaa	agcccttcgc	ctgcgacatc	tgtggaagaa	agtttgccag	gagcgatgaa	1500
cgcaagaggc	ataccaagat	ccacttgcgg	cagaaggaca	agaaagcaga	caaaagtgtt	1560
gtggcctctt	cggccacctc	ctctctct	tcctacccgt	ccccggttgc	tacctcttac	1620
ccgtccccgg	ttactacctc	ttatccatcc	ccggccacca	cctcataccc	atcccctgtg	1680
cccacctcct	tctcctctcc	cggctcctcg	acctacccat	cccctgtgca	cagtggcttc	1740
ccctccccgt	cggtggccac	cacgtactcc	tctgttcccc	ctgctttccc	ggcccaggtc	1800
agcagcttcc	cttcctcagc	tgtcaccaac	tccttcagcg	cctccacagg	gctttcggac	1860
atgacagcaa	ccttttctcc	caggacaatt	gaaatttgct	aaagggaaag	gggaaagaaa	1920
gggaaaaggg	agaaaaagaa	acacaagaga	cttaaaggac	aggaggagga	gatggccata	1980
ggagaggagg	gttcctctta	ggtcagatgg	aggttctcag	agccaagtcc	tccctctcta	2040
ctggagtgga	aggtctattg	gccaacaatc	ctttctgccc	acttcccctt	ccccaattac	2100
tattcccttt	gacttcagct	gcctgaaaca	gccatgtcca	agttcttcac	ctctatccaa	2160
agaacttgat	ttgcatggat	tttggataaa	tcatttcagt	atcatctcca	tcatatgcct	2220
gaccccttgc	tcccttcaat	gctagaaaat	cgagttggca	aaatggggtt	tgggcccctc	2280
agagccctgc	cctgcaccct	tgtacagtgt	ctgtgccatg	gatttcgttt	ttcttggggt	2340
actcttgatg	tgaagataat	ttgcatattc	tattgtatta	tttggagtta	ggtcctcact	2400
tgggggaaaa	aaaaaaaaa	aagccaagca	aaccaatggt	gatcctctat	tttgtgatga	2460
tgctgtgaca	ataagtttga	acctttttt	ttgaaacagc	agtcccagta	ttctcagagc	2520
atgtgtcaga	gtgttgttcc	gttaaccttt	ttgtaaatac	tgcttgaccg	tactctcaca	2580

tgtggca	aaaa	tatggtttgg	tttttctttt	ttttttttga	aagtgttttt	tcttcgtcct	2640
tttggtt	taa	aaagtttcac	gtcttggtgc	cttttgtgtg	atgccccttg	ctgatggctt	2700
gacatgt	gca	attgtgaggg	acatgctcac	ctctagcctt	aaggggggca	gggagtgatg	2760
atttggg	ggga	ggctttggga	gcaaaataag	gaagagggct	gagetgaget	teggttetee	2820
agaatgt	aag	aaaacaaaat	ctaaaacaaa	atctgaactc	tcaaaagtct	atttttttaa	2880
ctgaaaa	atgt	aaatttataa	atatattcag	gagttggaat	gttgtagtta	cctactgagt	2940
aggcggd	cgat	ttttgtatgt	tatgaacatg	cagttcatta	ttttgtggtt	ctattttact	3000
ttgtact	tgt	gtttgcttaa	acaaagtgac	tgtttggctt	ataaacacat	tgaatgcgct	3060
ttattgo	ccca	tgggatatgt	ggtgtatatc	cttccaaaaa	attaaaacga	aaataaagta	3120
gctgcga	attg	a a					3132
.010	0						
<210>	2						
<211>	15						
<212>	DNA						
<213>	Arti	ficial					
<220>							
<223>	synt	hetic					
<220>							
<221>	misc	_feature					
<223>			in of DNAzyn	ne			
<400>	2						
ggctago	ctac	aacga					15
<210>	3						
<211>	33						
<212>	DNA						
<213>	Arti	ficial					
.000							
<220>		. 1					
<223>	synt	chetic					
<220>							
<221>	misc	_feature					
<223>	DNAz						
<400>	3						
		actaactaca	acqacqttqc	aaa			33

```
<211> 33
<212> DNA
<213> Artificial
<220>
<223> synthetic
<220>
<221> misc_feature
<223> DNAzyme
<400> 4
                                                                    33
tgcagggag gctagctaca acgaaccgtt gcg
<210> 5
<211> 33
<212> DNA
<213> Artificial
<220>
<223> synthetic
<220>
<221> misc_feature
<223> DNAzyme
<400> 5
catcctggag gctagctaca acgagagcag gct
                                                                    33
<210> 6
<211> 33
<212> DNA
<213> Artificial
<220>
<223> synthetic
<220>
<221> misc_feature
<223> DNAzyme
<400> 6
ccgcggccag gctagctaca acgacctgga cga
                                                                    33
<210> 7
<211> 33
<212> DNA
<213> Artificial
<220>
```

<223> synthetic

```
<220>
<221> misc_feature
<223> DNAzyme
<400> 7
                                                                    33
ccgctgccag gctagctaca acgacccgga cgt
<210> 8
<211> 33
<212> DNA
<213> Artificial
<220>
<223> synthetic
<220>
<221> misc_feature
<223> DNAzyme
<400> 8
gcggggacag gctagctaca acgacagctg cat
                                                                    33
<210> 9
<211> 33
<212> DNA
<213> Artificial
<220>
<223> synthetic
<220>
<221> misc_feature
<223> DNAzyme
<400> 9
cagcggggag gctagctaca acgaatcagc tgc
                                                                    33
<210> 10
<211> 33
<212> DNA
<213> Artificial
<220>
<223> synthetic
<220>
<221> misc_feature
<223> DNAzyme
```

<210> 11

<211> 3068

<212> DNA

<213> Mus musculus

<400> 11

<400> 11						
ggggagccgc	cgccgcgatt	cgccgccgcc	gccagcttcc	gccgccgcaa	gatcggcccc	60
tgccccagcc	tccgcggcag	ccctgcgtcc	accacgggcc	gcggctaccg	ccagcctggg	120
ggcccaccta	cactccccgc	agtgtgcccc	tgcaccccgc	atgtaacccg	gccaaccccc	180
ggcgagtgtg	ccctcagtag	cttcggcccc	gggctgcgcc	caccacccaa	catcagttct	240
ccagctcgct	ggtccgggat	ggcagcggcc	aaggccgaga	tgcaattgat	gtctccgctg	300
cagatctctg	acccgttcgg	ctcctttcct	cactcaccca	ccatggacaa	ctaccccaaa	360
ctggaggaga	tgatgctgct	gagcaacggg	gctccccagt	tcctcggtgc	tgccggaacc	420
ccagagggca	gcggcggtaa	tagcagcagc	agcaccagca	gcgggggcgg	tggtggggc	480
ggcagcaaca	gcggcagcag	cgccttcaat	cctcaagggg	agccgagcga	acaaccctat	540
gagcacctga	ccacagagtc	cttttctgac	atcgctctga	ataatgagaa	ggcgatggtg	600
gagacgagtt	atcccagcca	aacgactcgg	ttgcctccca	tcacctatac	tggccgcttc	660
teeetggage	ccgcacccaa	cagtggcaac	actttgtggc	ctgaacccct	tttcagccta	720
gtcagtggcc	tcgtgagcat	gaccaatcct	ccgacctctt	catcctcggc	gccttctcca	780
gctgcttcat	cgtcttcctc	tgcctcccag	agcccgcccc	tgagctgtgc	cgtgccgtcc	840
aacgacagca	gtcccatcta	ctcggctgcg	cccacctttc	ctactcccaa	cactgacatt	900
tttcctgagc	cccaaagcca	ggcctttcct	ggctcggcag	gcacagcctt	gcagtacccg	960
cctcctgcct	accctgccac	caaaggtggt	ttccaggttc	ccatgatccc	tgactatctg	1020
tttccacaac	aacagggaga	cctgagcctg	ggcaccccag	accagaagcc	cttccagggt	1080
ctggagaacc	gtacccagca	gccttcgctc	actccactat	ccactattaa	agccttcgcc	1140
actcagtcgg	gctcccagga	cttaaaggct	cttaatacca	cctaccaatc	ccagctcatc	1200
aaacccagcc	gcatgcgcaa	gtaccccaac	cggcccagca	agacaccccc	ccatgaacgc	1260
ccatatgctt	gccctgtcga	gtcctgcgat	cgccgctttt	ctcgctcgga	tgagcttacc	1320
cgccatatcc	gcatccacac	aggccagaag	cccttccagt	gtcgaatctg	catgcgtaac	1380
ttcagtcgta	gtgaccacct	taccacccac	atccgcaccc	acacaggcga	gaagcctttt	1440

gcctgtgaca	tttgtgggag	gaagtttgcc	aggagtgatg	aacgcaagag	gcataccaaa	1500
atccatttaa	gacagaagga	caagaaagca	gacaaaagtg	tggtggcctc	cccggctgcc	1560
tcttcactct	cttcttaccc	atccccagtg	gctacctcct	acccatcccc	tgccaccacc	1620
tcattcccat	cccctgtgcc	cacttcctac	tcctctcctg	gctcctccac	ctacccatct	1680
cctgcgcaca	gtggcttccc	gtcgccgtca	gtggccacca	cctttgcctc	cgttccacct	1740
gctttcccca	cccaggtcag	cagcttcccg	tctgcgggcg	tcagcagctc	cttcagcacc	1800
tcaactggtc	tttcagacat	gacagcgacc	ttttctccca	ggacaattga	aatttgctaa	1860
agggaataaa	agaaagcaaa	gggagaggca	ggaaagacat	aaaagcacag	gagggaagag	1920
atggccgcaa	gaggggccac	ctcttaggtc	agatggaaga	tctcagagcc	aagteettet	1980
actcacgagt	agaaggaccg	ttggccaaca	gccctttcac	ttaccatccc	tgcctccccc	2040
gtcctgttcc	ctttgacttc	agctgcctga	aacagccatg	tccaagttct	tcacctctat	2100
ccaaaggact	tgatttgcat	ggtattggat	aaatcatttc	agtatcctct	ccatcacatg	2160
cctggccctt	gctcccttca	gcgctagacc	atcaagttgg	cataaagaaa	aaaaaatggg	2220
tttgggccct	cagaaccctg	ccctgcatct	ttgtacagca	tctgtgccat	ggattttgtt	2280
ttccttgggg	tattcttgat	gtgaagataa	tttgcatact	ctattgtatt	atttggagtt	2340
aaatcctcac	tttgggggag	gggggagcaa	agccaagcaa	accaatgatg	atcctctatt	2400
ttgtgatgac	tctgctgtga	cattaggttt	gaagcatttt	ttttttcaag	cagcagtcct	2460
aggtattaac	tggagcatgt	gtcagagtgt	tgttccgtta	attttgtaaa	tactggctcg	2520
actgtaactc	tcacatgtga	caaagtatgg	tttgtttggt	tgggttttgt	ttttgagaat	2580
ttttttgccc	gtccctttgg	tttcaaaagt	ttcacgtctt	ggtgcctttt	gtgtgacacg	2640
ccttccgatg	gcttgacatg	cgcagatgtg	agggacacgc	tcaccttagc	cttaaggggg	2700
taggagtgat	gtgttggggg	aggcttgaga	gcaaaaacga	ggaagagggc	tgagctgagc	2760
tttcggtctc	cagaatgtaa	gaagaaaaaa	tttaaacaaa	aatctgaact	ctcaaaagtc	2820
tatttttcta	aactgaaaat	gtaaatttat	acatctattc	aggagttgga	gtgttgtggt	2880
tacctactga	gtaggctgca	gtttttgtat	gttatgaaca	tgaagttcat	tattttgtgg	2940
ttttatttta	ctttgtactt	gtgtttgctt	aaacaaagta	acctgtttgg	cttataaaca	3000
cattgaatgc	gctctattgc	ccatgggata	tgtggtgtgt	atccttcaga	aaaattaaaa	3060
ggaaaaat						3068

<210> 12

<211> 4321

<212> DNA

<213> Rattus rattus

<400> 12

ccgcggagcc	tcagctctac	gcgcctggcg	ccctccctac	gcgggcgtcc	ccgactcccg	60
cgcgcgttca	ggctccgggt	tgggaaccaa	ggaggggag	ggtgggtgcg	ccgacccgga	120
aacaccatat	aaggagcagg	aaggatcccc	cgccggaaca	gaccttattt	gggcagcgcc	180
ttatatggag	tggcccaata	tggccctgcc	gcttccggct	ctgggaggag	gggcgaacgg	240
gggttggggc	gggggcaagc	tgggaactcc	aggagcctag	cccgggaggc	cactgccgct	300
gttccaatac	taggctttcc	aggagcctga	gcgctcaggg	tgccggagcc	ggtcgcaggg	360
tggaagcgcc	caccgctctt	ggatgggagg	tcttcacgtc	actccgggtc	ctcccggtcg	420
gtccttccat	attagggctt	cctgcttccc	atatatggcc	atgtacgtca	cggcggaggc	480
gggcccgtgc	tgtttcagac	ccttgaaata	gaggccgatt	cggggagtcg	cgagagatcc	540
cagcgcgcag	aacttgggga	gccgccgccg	cgattcgccg	ccgccgccag	cttccgccgc	600
cgcaagatcg	gcccctgccc	cagcctccgc	ggcagccctg	cgtccaccac	gggccgcggc	660
caccgccagc	ctgggggccc	acctacactc	cccgcagtgt	gcccctgcac	cccgcatgta	720
acccggccaa	catccggcga	gtgtgccctc	agtagcttcg	gccccgggct	gegeeeaeea	780
cccaacatca	gctctccagc	tcgcacgtcc	gggatggcag	cggccaaggc	cgagatgcaa	840
ttgatgtctc	cgctgcagat	ctctgacccg	tteggeteet	ttcctcactc	acccaccatg	900
gacaactacc	ccaaactgga	ggagatgatg	ctgctgagca	acggggctcc	ccagttcctc	960
ggtgctgccg	gaaccccaga	gggcagcggc	ggcaataaca	gcagcagcag	cagcagcagc	1020
agcagcgggg	gcggtggtgg	gggcggcagc	aacagcggca	gcagcgcttt	caatcctcaa	1080
ggggagccga	gcgaacaacc	ctacgagcac	ctgaccacag	gtaagcggtg	gtctgcgccg	1140
aggctgaatc	ccccttcgtg	actaccctaa	cgtccagtcc	tttgcagcac	ggacctgcat	1200
ctagatctta	gggacgggat	tgggatttcc	ctctattcca	cacageteca	gggacttgtg	1260
ttagagggat	gtctggggac	ccccaaccc	tccatccttg	cgggtgcgcg	gagggcagac	1320
cgtttgtttt	ggatggagaa	ctcaagttgc	gtgggtggct	ggagtggggg	agggtttgtt	1380
ttgatgagca	gggttgcccc	ctcccccgcg	cgcgttgtcg	cgagccttgt	ttgcagcttg	1440
ttcccaagga	agggctgaaa	tctgtcacca	gggatgtccc	gccgcccagg	gtaggggcgc	1500

gcattagctg tggccactag	ggtgctggcg	ggattccctc	accccggacg	cctgctgcgg	1560
agcgctctca gagctgcagt	agagggggat	tctctgtttg	cgtcagctgt	cgaaatggct	1620
ctgccactgg agcaggtcca	ggaacattgc	aatctgctgc	tatcaattat	taaccacatc	1680
gagagtcagt ggtagccggg	cgacctcttg	cctggccgct	tcggctctca	tegtecagtg	1740
attgctctcc agtaaccagg	cctctctgtt	ctctttcctg	ccagagtcct	tttctgacat	1800
cgctctgaat aacgagaagg	cgctggtgga	gacaagttat	cccagccaaa	ctacccggtt	1860
gcctcccatc acctatactg	geegettete	cctggagcct	gcacccaaca	gtggcaacac	1920
tttgtggcct gaaccccttt	tcagcctagt	cagtggcctt	gtgagcatga	ccaaccctcc	1980
aacctcttca tcctcagcgc	cttctccagc	tgcttcatcg	tcttcctctg	cctcccagag	2040
cccacccctg agctgtgccg	tgccgtccaa	cgacagcagt	cccatttact	cagctgcacc	2100
cacctttcct actcccaaca	ctgacatttt	tcctgagccc	caaagccagg	cctttcctgg	2160
ctctgcaggc acagccttgc	agtacccgcc	tcctgcctac	cctgccacca	agggtggttt	2220
ccaggttccc atgatccctg	actatctgtt	tccacaacaa	cagggagacc	tgagcctggg	2280
caccccagac cagaagccct	tccagggtct	ggagaaccgt	acccagcagc	cttcgctcac	2340
tccactatcc actatcaaag	ccttcgccac	tcagtcgggc	tcccaggact	taaaggctct	2400
taataacacc taccagtccc	aactcatcaa	acccagccgc	atgcgcaagt	accccaaccg	2460
gcccagcaag acacccccc	atgaacgccc	gtatgcttgc	cctgttgagt	cctgcgatcg	2520
ccgcttttct cgctcggatg	agcttacacg	ccacatccgc	atccatacag	gccagaagcc	2580
cttccagtgt cgaatctgca	tgcgtaattt	cagtcgtagt	gaccacctta	ccacccacat	2640
ccgcacccac acaggcgaga	agccttttgc	ctgtgacatt	tgtgggagaa	agtttgccag	2700
gagtgatgaa cgcaagaggc	ataccaaaat	ccacttaaga	cagaaggaca	agaaagcaga	2760
caaaagtgtc gtggcctcct	cagctgcctc	ttccctctct	tcctacccat	ccccagtggc	2820
tacctcctac ccatcccccg	ccaccacctc	atttccatcc	ccagtgccca	cctcttactc	2880
ctctccgggc tcctctacct	acccgtctcc	tgcacacagt	ggcttcccat	cgccctcggt	2940
ggccaccacc tatgcctccg	tcccacctgc	tttccctgcc	caggtcagca	ccttccagtc	3000
tgcaggggtc agcaactcct	tcagcacctc	aacgggtctt	tcagacatga	cagcaacctt	3060
ttctcctagg acaattgaaa	tttgctaaag	ggaatgaaag	agagcaaagg	gaggggagcg	3120
cgagagacaa taaaggacag	gagggaagaa	atggcccgca	agaggggctg	cctcttaggt	3180
cagatggaag atctcagagc	caagtccttc	tagtcagtag	aaggcccgtt	ggccaccagc	3240

cctttcactt	agcgtccctg	ccctccccag	tcccggtcct	tttgacttca	gctgcctgaa	3300
acagccacgt	ccaagttctt	cacctctatc	caaaggactt	gatttgcatg	gtattggata	3360
aaccatttca	gcatcatctc	caccacatge	ctggcccttg	ctcccttcag	cactagaaca	3420
tcaagttggc	tgaaaaaaaa	aatgggtctg	ggccctcaga	accctgccct	gtatctttgt	3480
acagcatctg	tgccatggat	tttgttttcc	ttggggtatt	cttgatgtga	agataatttg	3540
catactctat	tgtactattt	ggagttaaat	tctcactttg	ggggaggggg	agcaaagcca	3600
agcaaaccaa	tggtgatcct	ctattttgtg	atgatcctgc	tgtgacatta	ggtttgaaac	3660
ttttttttt	ttttgaagca	gcagtcctag	gtattaactg	gagcatgtgt	cagagtgttg	3720
ttccgttaat	tttgtaaata	ctgctcgact	gtaactctca	catgtgacaa	aatacggttt	3780
gtttggttgg	gttttttgtt	gtttttgaaa	aaaaaatttt	ttttttgccc	gtccctttgg	3840
tttcaaaagt	ttcacgtctt	ggtgcctttg	tgtgacacac	cttgccgatg	gctggacatg	3900
tgcaatcgtg	aggggacacg	ctcacctcta	gccttaaggg	ggtaggagtg	atgtttcagg	3960
ggaggcttta	gagcacgatg	aggaagaggg	ctgagctgag	ctttggttct	ccagaatgta	4020
agaagaaaaa	tttaaaacaa	aaatctgaac	tctcaaaagt	ctatttttt	aactgaaaat	4080
gtagatttat	ccatgttcgg	gagttggaat	gctgcggtta	cctactgagt	aggcggtgac	4140
ttttgtatgc	tatgaacatg	aagttcatta	ttttgtggtt	ttattttact	tcgtacttgt	4200
gtttgcttaa	acaaagtgac	ttgtttggct	tataaacaca	ttgaatgcgc	tttactgccc	4260
atgggatatg	tggtgtgtat	ccttcagaaa	aattaaaagg	aaaataaaga	aactaactgg	4320
t						4321

<210> 13

<211> 19

<212> RNA

<213> Rattus rattus

<400> 13

acguccggga uggcagcgg 19

<210> 14

<211> 19

<212> RNA

<213> Homo sapiens

<400> 14

ucguccagga uggccgcgg

```
<210> 15
<211> 34
<212> DNA
<213> Artificial
<220>
<223> synthetic
<220>
<221> misc_feature
<223> DNAzyme
<220>
<221> misc_feature
<222> (33)..(34)
<223> 3'-3-linked T
<400> 15
                                                                    34
caggggacag gctagctaca acgacgttgc gggt
<210> 16
<211> 34
<212> DNA
<213> Artificial
<220>
<223> synthetic
<220>
<221> misc_feature
<223> DNAzyme
<220>
<221> misc_feature
<222> (33)..(34)
<223> 3'-3-linked T
<400> 16
tgcaggggag gctagctaca acgaaccgtt gcgt
                                                                    34
<210> 17
<211> 34
<212> DNA
<213> Artificial
<220>
<223> synthetic
<220>
<221> misc_feature
```

<223> DNAzyme

```
<220>
<221> misc_feature
<222> (33)..(34)
<223> 3'-3-linked T
<400> 17
                                                                    34
catcctggag gctagctaca acgagagcag gctt
<210> 18
<211> 34
<212> DNA
<213> Artificial
<220>
<223> synthetic
<220>
<221> misc_feature
<223> DNAzyme
<220>
<221> misc_feature
<222> (33)..(34)
<223> 3'-3-linked T
<400> 18
tcagctgcag gctagctaca acgactcggc cttt
                                                                    34
<210> 19
<211> 34
<212> DNA
<213> Artificial
<220>
<223> synthetic
<220>
<221> misc_feature
<223> DNAzyme
<220>
<221> misc_feature
<222> (33)..(34)
<223> 3'-3-linked T
<400> 19
```

gcggggacag gctagctaca acg